EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	113	348/275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 07:55
L2	449	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:11
L3	73	2 and (layer with (red or blue or green))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:12
L4	510	348/273.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:18
L5	72	4 and (layer with (red or blue or green))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:18
L6	46	348/274.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:25
L7	46	348/276.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:28
L8	70	348/277.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:29

L9	12	348/278.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:30
L10	99	348/279.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:31
L11	233	348/280.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:35
L12	35	(triple adj1 well) with (red or blue or green)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:53
L13	62	(triple adj1 well) same (red or blue or green)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 08:57
L14	1651	(layer$ with (depth or depthwise)) same (red or blue or green)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:00
L15	1302	348/272-280.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:01
L16	24	14 and 15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:01
L17	48	(layer$ with (depth or depthwise)) same (red or blue or green) same (CCD$1 or CMOS)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:03
L18	66	(layer$ with (depth or depthwise)) same (red or blue or green) same (image adj2 sensor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:06

L19	47	14 and (triple adj1 well)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:08
L20	16	(layer$ with (depth or depthwise)) same (red or blue or green) same imager	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:10
L21	168	shizukuishi-makoto$7. in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/14 09:57
S1	384	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 09:25
S2	410	348/273.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 10:41
S3	5	("4567510" | "4962412" | "5060042" | "5115302" | "5541648").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 10:29
S6	1595	(triple adj1 well) with structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 10:43
S7	2	(triple adj1 well) with structure with (three adj1 layered)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 10:43
S8	14	("20030173582" | "3860956" | "5121183" | "5500550" | "5644124" | "5667597" | "5723877" | "5841180" | "5880494" | "5965675" | "5965875" | "6153823" | "6501062" | "6606120").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 10:45

S9	11	("3971065" | "4011016" | "4309604" | "4613895" | "4651001" | "4677289" | "4772335" | "5397734" | "5502299" | "5668596" | "5739562").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/06 10:50
S10	88	("5965875").URPN.	USPAT	OR	OFF	2008/02/06 12:12
S11	5	S6 and (S1 or S2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 12:14
S12	10	S6 same (color adj2 filter$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 12:18
S13	3930	(color adj2 filter$1) same block$3 same light same color$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 12:19
S14	90	S13 and 348/272-279.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/06 12:20
S15	2738	color with detect$3 with layer$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/11 09:00
S16	34	S15 and 348/272-279.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/11 09:00
S17	141	S15 and "348"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/11 09:15

S18	13	("4677453" | "5614744" | "5705846" | "5789774" | "5892541" | "5965875" | "6011251" | "6160282" | "6175383" | "6204524" | "6586789" | "6590242" | "6639261").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 09:28
S19	299	S15 and "257"/$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/11 09:33
S20	168	S19 and (color adj2 filter$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/11 09:35
S21	5	("3617753" | "3971065" | "4047203" | "4214264" | "4315279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 10:09
S22	6	("3617753" | "3971065" | "3984721" | "4047203" | "4214264" | "4315279").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 10:12
S23	86	(color with detect$3 with layer$1) same (color adj1 filter$1) same (red or blue or green)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/11 10:21
S24	2	"6956273".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/11 12:49
S25	14	("20030173582" | "3860956" | "5121183" | "5500550" | "5644124" | "5667597" | "5723877" | "5841180" | "5880494" | "5965675" | "5965875" | "6153823" | "6501062" | "6606120").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/11 12:52
S26	2	("6956273").URPN.	USPAT	OR	OFF	2008/02/11 12:55

S35	3	(heavily adj1 doped) with impurity with layer with (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/12 10:24
S36	14	((heavily adj1 doped) with impurity) same (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/12 10:26
S37	86	(heavily adj1 doped) same layer$1 same (color or colour)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/12 10:30
S38	387	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 10:28
S39	17	S38 and (potential adj3 barrier$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 10:31
S40	11	("4081841" | "4486783" | "4500915" | "4539597" | "4577233" | "4581539" | "4581652" | "4584609" | "4597013" | "4607287" | "4707735").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/02/19 10:35
S41	102	348/275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 10:37
S42	59	348/277.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 12:43
S43	9	348/278.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 12:51
S44	187	348/280.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 12:53

S45	29	(heavily adj1 doped) same (color or colour) same dop$3 same concentration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 13:02
S47	271	(heavily adj1 doped) same dop$3 same concentration same layer$1 same charge	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/19 13:07
S48	428	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 10:39
S49	156	S48 and layer$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 10:39
S50	14	("20010005278" | "20030020887" | "3971065" | "4527189" | "4680504" | "4865405" | "5249076" | "5705806" | "5965875" | "6230046" | "6342460" | "6391462" | "6632701" | "6903036").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 10:52
S51	11	("3971065" | "4011016" | "4309604" | "4613895" | "4651001" | "4677289" | "4772335" | "5397734" | "5502299" | "5668596" | "5739562").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 10:54
S52	6	("20020045306" | "4613895" | "5453611" | "5920092" | "5965875" | "6727521").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 10:56
S53	9	("4514755" | "4677289" | "5424560" | "6300612" | "6586670" | "6593558" | "6632701" | "6841816" | "6864557").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 10:58

S54	413	CCD$1 with layer$1 with color$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 11:54
S55	30	CCD$1 with layer$1 with color$1 with (different or difference)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 11:55
S56	2	CCD$1 with layer$1 with color$1 with depthwise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 11:59
S57	2	CCD$1 with layer$1 with depthwise	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 11:59
S58	102	CCD$1 with layer$1 with depth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 11:59
S59	44	CCD$1 same layer$1 same depth$1 same color$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 12:05
S60	43	S48 and layer$1 and depth$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 12:36
S61	330	S48 and CCD$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 12:41
S62	225	348/280.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 12:50
S63	96	348/279.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 13:45

S64	14	("20010005278" | "20030020887" | "3971065" | "4527189" | "4680504" | "4865405" | "5249076" | "5705806" | "5965875" | "6230046" | "6342460" | "6391462" | "6632701" | "6903036").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 14:13
S65	2	"7218347".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/04 14:21
S66	6	("20020045306" | "4613895" | "5453611" | "5920092" | "5965875" | "6727521").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/04 14:22
S67	429	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 10:44
S68	429	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 10:45
S69	429	348/272.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 10:46
S70	27	S69 and (silicon adj3 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 10:47
S71	2	"7132724".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/05 10:54
S72	3	"6727521".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/05/05 11:48

S73	477	348/273.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 12:47
S74	22	S73 and (silicon adj3 layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 12:47
S75	29	("20040185597" | "3971065" | "4011016" | "4238760" | "4309604" | "4318115" | "4613895" | "4651001" | "4677289" | "4772335" | "5397734" | "5502299" | "5608243" | "5668596" | "5739562" | "5872371" | "5877521" | "5883421" | "5889315" | "5899714" | "5965875" | "5982012" | "6066510" | "6078037" | "6111300" | "6410899" | "6608338" | "6727521" | "6731397").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/05 12:53
S76	1193	CCD$1 with (silicon near5 substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 13:55
S77	8	S76 and (S69 or S73)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 13:55
S78	244423	"348"/(272-280).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 14:01
S79	62	S76 and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/05 14:02

| S80 | 30 | CCD$1 with (silicon near5 substrate) with color | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/05 14:14 |

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L22	5	(layer$1 and (depthwise or depth) and red and blue and green and (alternat$3 with (pixel or section or unit)) and (CCD$1 or CMOS or imager or (image adj2 sensor))).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/14 10:02
L24	77	(layer$1 and (depthwise or depth) and red and blue and green and (CCD$1 or CMOS or imager or (image adj2 sensor))).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/14 10:05
L25	9	((depthwise or depth) and red and blue and green and (alternat$3 with (pixel or section or unit)) and (CCD$1 or CMOS or imager or (image adj2 sensor))).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/09/14 10:06

9/14/09 10:07:58 AM
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